

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P387007

Luminaire Tested: **GWC-SA2D-727-U-SLL**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P387007  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GWC-SA2D-727-U-SLL  
Description: GALLEON WALL LUMINAIRE  
(2) 70 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11901 lumens  
Efficiency: N/A  
Efficacy: 92.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G3

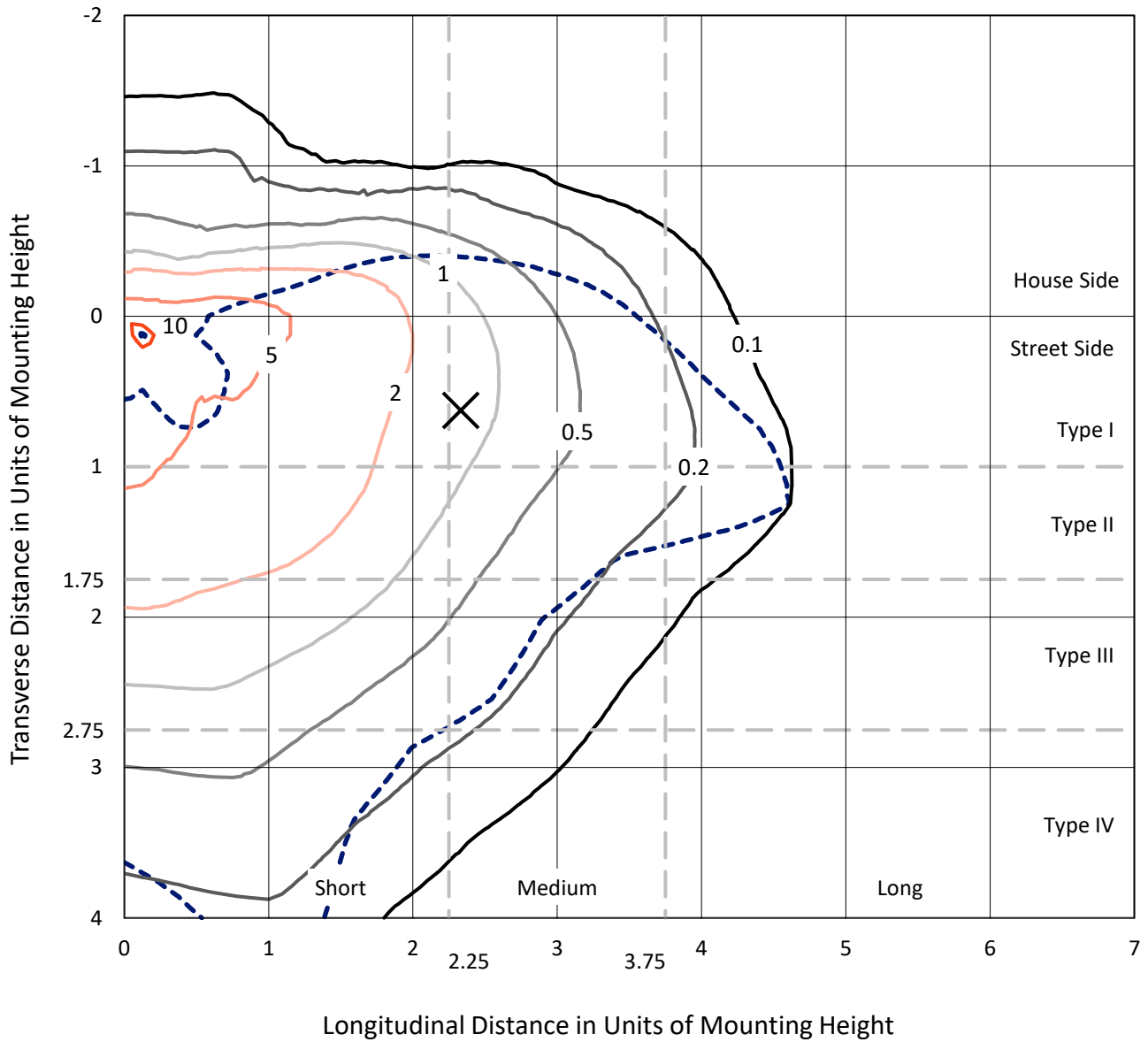
Input Watts (W): 129  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

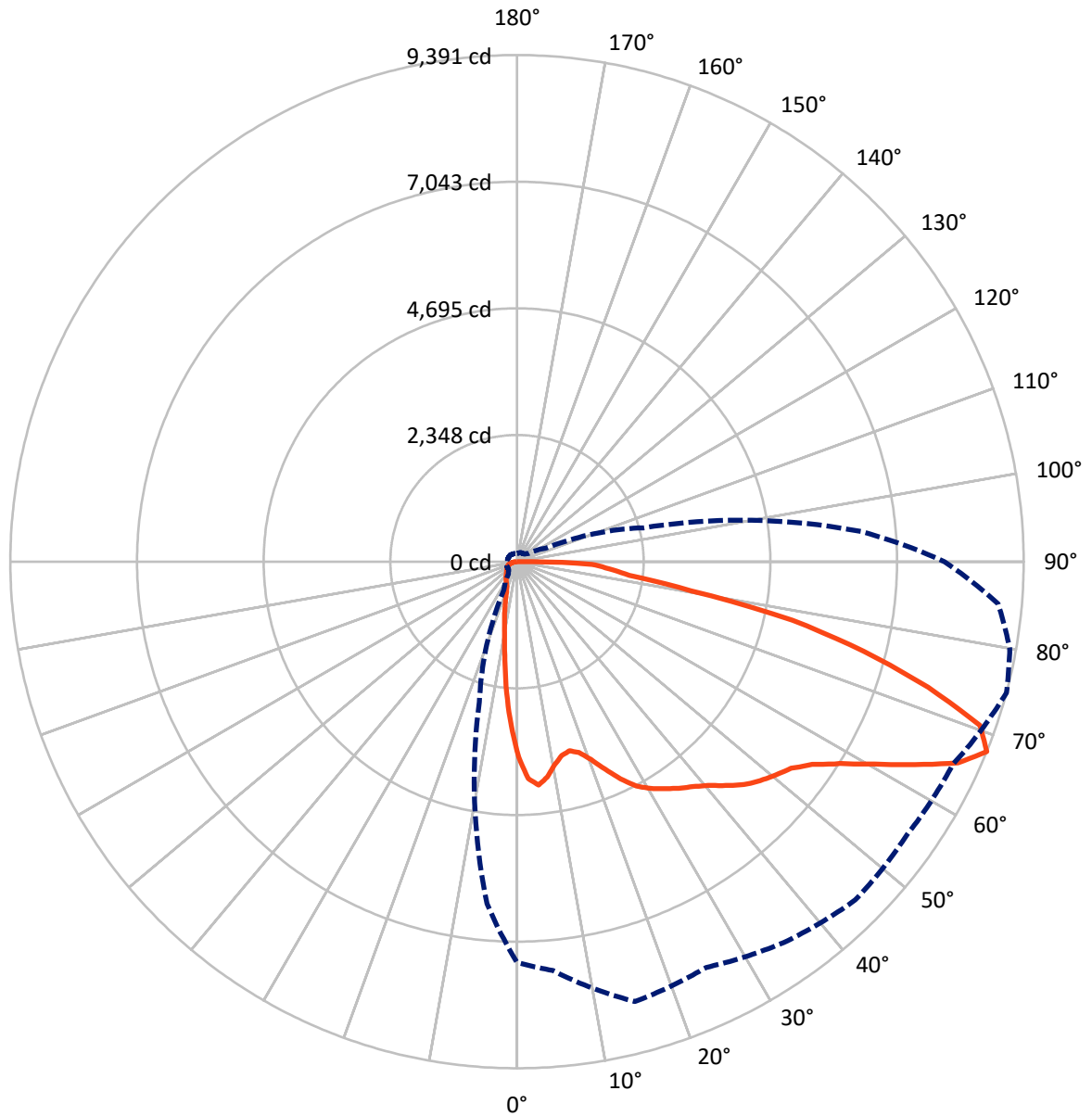
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 11.4 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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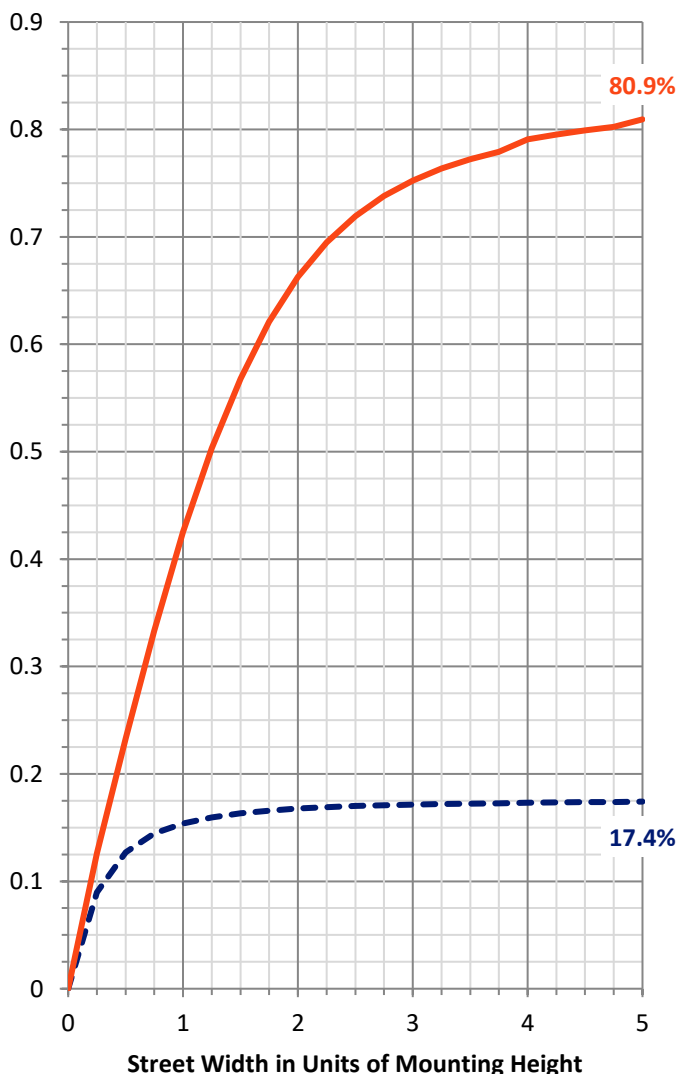
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2096.1	0.0	2096.1
	% Fixture	17.6	0.0	17.6
<b>Street Side</b>	Lumens	9804.9	0.0	9804.9
	% Fixture	82.4	0.0	82.4
<b>Total</b>	Lumens	11901.0	0.0	11901.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	279.8	2.4
10°-20°	581.3	4.9
20°-30°	826.7	6.9
30°-40°	1191.3	10.0
40°-50°	1678.9	14.1
50°-60°	2334.0	19.6
60°-70°	2822.5	23.7
70°-80°	1734.9	14.6
80°-90°	451.5	3.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	11901.0	100.0
0°-180°	11901.0	100.0

**Coefficient of Utilization**



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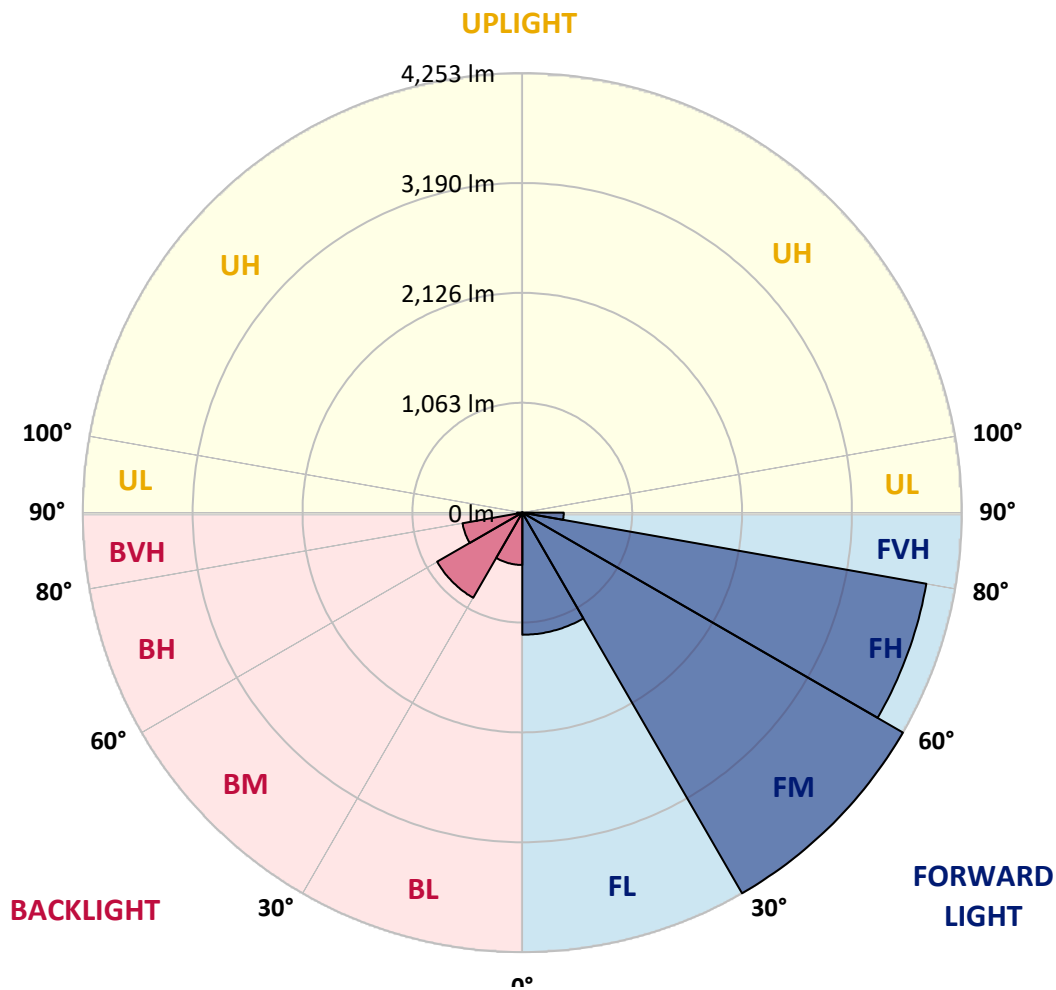
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1181.6	9.9			
FM (30°-60°)	4252.8	35.7			
FH (60°-80°)	3969.8	33.4			G2/5000
FVH (80°-90°)	400.7	3.4			G3/500
BL (0°-30°)	506.2	4.3	B2/1000		
BM (30°-60°)	951.5	8.0	B1/1000		
BH (60°-80°)	587.7	4.9	B2/1000		G2/1000
BVH (80°-90°)	50.7	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7
2.5°	3864.6	3915.5	3950.7	3985.4	4012.5	4039.2	4078.2	4117.2	4124.8	4132.0	4116.7
5°	3841.7	3965.9	4071.5	4176.7	4274.2	4371.8	4430.3	4488.8	4500.7	4512.6	4476.0
7.5°	3595.7	3778.9	3962.1	4145.3	4313.2	4481.2	4583.5	4685.3	4708.6	4731.5	4671.5
10°	3315.9	3529.1	3754.2	3979.2	4200.5	4421.7	4569.7	4717.7	4747.2	4776.7	4702.0
12.5°	3103.3	3335.9	3576.2	3816.5	4050.1	4283.3	4436.5	4589.7	4626.3	4663.0	4608.7
15°	3021.4	3276.4	3502.5	3728.5	3932.1	4135.3	4260.9	4386.0	4401.3	4416.0	4407.5
17.5°	3103.3	3384.5	3589.1	3793.2	3904.0	4014.4	4064.9	4114.8	4131.5	4147.7	4169.5
20°	3342.6	3646.2	3790.3	3934.0	3929.3	3924.0	3899.8	3875.0	3870.7	3866.5	3928.3
22.5°	3684.2	4036.8	4094.4	4151.5	4017.8	3884.1	3802.7	3720.9	3704.7	3688.0	3753.7
25°	4085.3	4460.7	4450.3	4439.3	4184.8	3929.7	3774.6	3619.5	3601.4	3583.3	3639.5
27.5°	4521.7	4880.4	4811.9	4743.4	4397.5	4051.5	3826.5	3601.4	3583.3	3565.3	3614.8
30°	4862.8	5188.3	5078.4	4968.4	4576.8	4185.3	3917.8	3650.4	3620.9	3591.0	3651.9
32.5°	5151.6	5428.6	5281.0	5133.5	4722.4	4311.3	4022.0	3732.8	3686.6	3640.4	3721.8
35°	5452.3	5668.4	5460.9	5253.0	4852.3	4451.2	4145.3	3838.9	3782.2	3725.6	3837.4
37.5°	5790.6	5970.0	5672.2	5373.8	4998.4	4623.0	4329.9	4036.3	3978.3	3920.2	4063.0
40°	6148.0	6297.4	5900.1	5502.8	5158.3	4813.8	4585.4	4356.5	4301.3	4245.7	4418.9
42.5°	6460.6	6569.6	6112.3	5655.0	5351.0	5046.5	4885.6	4724.3	4723.9	4722.9	4898.5
45°	6696.1	6790.8	6289.3	5787.3	5538.9	5290.1	5206.3	5122.6	5189.7	5256.8	5415.7
47.5°	6891.7	6955.9	6437.8	5919.1	5754.0	5588.9	5601.3	5613.6	5750.2	5886.8	5989.1
50°	7115.3	7063.4	6572.4	6080.9	6030.0	5979.1	6090.4	6201.3	6358.3	6514.8	6584.3
52.5°	7357.5	7220.0	6755.1	6289.8	6346.9	6404.0	6630.5	6856.9	7015.4	7173.8	7200.0
55°	7792.9	7582.1	7091.0	6599.5	6709.4	6818.9	7151.5	7483.6	7607.3	7731.0	7740.5
57.5°	8283.4	8096.4	7561.6	7026.8	7144.8	7262.8	7646.8	8030.3	8164.0	8297.2	8278.7
60°	8472.3	8481.4	8008.4	7535.0	7653.9	7772.9	8146.9	8520.9	8674.5	8827.8	8786.8
62.5°	8282.0	8505.2	8252.5	7999.4	8107.4	8214.9	8581.3	8947.7	9105.2	9262.7	9191.3
65°	7905.6	8126.9	8240.1	8353.4	8389.1	8424.7	8766.9	9108.5	9229.3	9349.7	9313.6
67.5°	7427.0	7605.9	8023.6	8440.9	8369.1	8297.2	8457.6	8617.9	8742.1	8866.3	8845.8
70°	6872.6	7085.8	7643.0	8200.2	7847.1	7493.6	7427.4	7361.3	7495.5	7629.2	7546.4
72.5°	5878.7	6200.3	6794.6	7388.4	6738.0	6087.6	5861.5	5635.5	5805.4	5975.3	5843.5
75°	4440.3	4867.1	5523.7	6179.9	5403.8	4627.8	4326.1	4024.4	4170.5	4316.6	4226.2
77.5°	3088.0	3623.3	4269.9	4916.6	4127.7	3338.3	3114.2	2889.6	2933.4	2976.7	2961.5
80°	2105.5	2457.6	2908.6	3359.2	2833.9	2308.6	2326.2	2343.4	2322.9	2302.0	2332.4
82.5°	1320.4	1568.3	1916.6	2264.4	1985.6	1706.7	1866.6	2026.5	1948.0	1869.0	1898.5
85°	743.7	895.0	1235.7	1575.9	1468.8	1361.3	1455.0	1548.3	1426.5	1304.7	1358.4
87.5°	141.8	236.0	683.7	1131.0	1026.8	922.6	801.7	680.9	519.6	358.3	523.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7
2.5°	4101.5	4093.4	4085.3	4056.3	4026.8	3983.0	3946.9	3884.1	3849.8	3797.9	3746.1
5°	4438.9	4387.5	4336.1	4247.6	4158.6	4059.6	3945.9	3819.8	3724.7	3601.0	3477.2
7.5°	4611.6	4491.7	4371.3	4201.4	4031.1	3877.9	3698.0	3530.5	3387.8	3227.0	3066.1
10°	4627.3	4447.4	4267.1	4046.3	3825.1	3639.0	3432.0	3246.0	3074.7	2890.1	2705.0
12.5°	4554.0	4362.7	4171.0	3927.8	3684.2	3473.0	3250.3	3041.9	2852.0	2648.9	2445.2
15°	4398.9	4246.2	4092.9	3865.0	3637.1	3424.0	3207.9	2961.0	2746.4	2538.5	2330.1
17.5°	4191.0	4118.6	4045.8	3881.2	3716.1	3531.5	3322.1	3032.4	2781.1	2555.1	2329.1
20°	3989.7	4016.3	4042.5	3976.8	3911.2	3763.2	3580.5	3255.0	2934.3	2638.9	2342.9
22.5°	3818.9	3946.9	4074.4	4125.3	4175.7	4086.8	3944.0	3567.6	3143.2	2757.3	2371.5
25°	3695.2	3907.4	4119.6	4289.0	4457.9	4418.4	4308.5	3947.3	3420.1	2928.2	2435.7
27.5°	3664.2	3924.5	4184.8	4447.4	4709.6	4746.2	4715.8	4347.5	3750.4	3140.4	2529.9
30°	3712.8	3976.4	4239.5	4559.2	4878.5	5024.6	5065.5	4681.0	4127.7	3387.8	2647.4
32.5°	3803.2	4061.5	4319.9	4668.2	5016.0	5236.8	5367.2	4986.0	4390.8	3574.3	2757.3
35°	3949.2	4191.0	4432.7	4795.2	5157.8	5443.3	5681.2	5301.0	4624.4	3704.7	2784.5
37.5°	4205.2	4413.2	4621.1	4956.1	5290.6	5660.7	6018.1	5647.9	4877.1	3830.3	2783.0
40°	4592.1	4739.1	4885.6	5168.8	5451.4	5917.2	6399.7	6034.7	5156.4	3966.4	2776.4
42.5°	5074.1	5149.7	5224.9	5449.0	5673.1	6185.1	6746.1	6413.0	5422.8	4092.9	2763.0
45°	5574.1	5594.1	5614.1	5755.4	5896.3	6397.3	6982.1	6697.1	5655.5	4202.9	2749.7
47.5°	6090.9	6022.4	5953.8	6010.0	6066.1	6560.0	7150.5	6912.6	5889.1	4324.7	2759.7
50°	6653.8	6463.0	6272.2	6242.7	6213.2	6722.8	7348.9	7186.7	6169.9	4502.1	2834.4
52.5°	7225.7	6911.2	6596.7	6480.1	6363.0	6916.9	7612.1	7527.8	6570.5	4777.2	2983.3
55°	7750.0	7349.9	6949.7	6792.7	6635.7	7213.8	7933.2	8028.9	7083.9	5128.8	3173.2
57.5°	8259.6	7806.2	7352.7	7207.1	7061.5	7650.1	8340.1	8478.5	7602.5	5466.1	3329.3
60°	8745.9	8297.2	7848.1	7731.5	7614.4	8192.5	8779.7	8678.8	7869.9	5624.1	3377.8
62.5°	9119.9	8763.0	8406.2	8344.8	8283.0	8741.2	9117.5	8600.8	7700.1	5468.5	3237.0
65°	9277.4	9074.2	8870.6	8928.2	8985.3	9156.1	9201.7	8372.4	7166.2	5032.7	2899.1
67.5°	8824.9	8866.3	8907.7	9149.4	9390.6	9273.1	8951.5	7922.3	6406.3	4415.1	2423.8
70°	7463.1	7711.5	7959.4	8531.3	9102.8	8842.0	8281.1	7114.4	5491.8	3703.7	1915.1
72.5°	5711.2	5990.5	6269.3	7118.2	7966.5	7726.3	7039.2	5843.5	4403.2	2957.7	1511.7
75°	4135.3	4450.8	4765.7	5702.1	6638.5	6305.0	5265.3	4183.8	3344.5	2257.7	1170.5
77.5°	2945.8	3157.0	3368.3	4293.3	5217.8	4674.4	3504.8	2815.4	2314.8	1569.2	823.2
80°	2362.9	2298.2	2233.5	2748.8	3264.1	3173.7	2318.2	1808.1	1602.1	1051.5	501.0
82.5°	1927.5	1769.5	1611.6	1854.2	2096.9	2083.6	1608.7	1326.6	1192.4	730.8	269.3
85°	1411.7	1348.5	1285.2	1499.8	1714.4	1531.2	1089.6	843.1	929.7	538.1	146.6
87.5°	688.5	786.5	884.1	1137.2	1389.8	1043.5	330.7	163.7	226.5	148.9	70.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P387007

CATALOG NUMBER: GWC-SA2D-727-U-SLL

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P387007

CATALOG NUMBER: GWC-SA2D-727-U-SLL

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7
2.5°	3707.5	3668.5	3624.3	3580.0	3529.6	3478.7	3448.7	3418.2	3385.4	3352.6	3315.5
5°	3395.4	3313.6	3220.8	3128.0	3036.2	2944.3	2894.8	2845.4	2793.0	2740.2	2694.5
7.5°	2947.2	2827.8	2699.3	2570.3	2456.1	2341.5	2270.6	2199.2	2134.5	2069.3	2014.6
10°	2552.7	2400.5	2271.5	2142.1	2056.0	1969.9	1904.7	1839.5	1776.7	1713.4	1653.0
12.5°	2292.9	2140.7	2058.8	1977.0	1905.6	1834.3	1759.1	1683.4	1597.3	1510.7	1447.4
15°	2191.6	2053.1	1962.3	1870.9	1775.3	1679.1	1586.8	1494.5	1392.7	1290.9	1219.0
17.5°	2147.8	1966.5	1839.5	1712.0	1585.9	1459.8	1352.7	1245.7	1134.3	1023.0	950.2
20°	2101.7	1860.4	1690.1	1519.3	1357.5	1195.7	1074.4	953.1	853.6	754.2	698.5
22.5°	2059.8	1747.7	1534.0	1319.9	1128.6	937.4	818.4	699.0	638.1	577.2	554.8
25°	2042.7	1649.2	1386.5	1123.9	922.1	719.9	635.2	550.5	527.2	503.4	492.0
27.5°	2045.5	1561.1	1262.3	963.0	781.3	599.5	541.5	483.4	469.2	454.4	447.3
30°	2056.5	1465.5	1145.3	825.1	675.2	525.3	487.7	449.6	434.4	419.2	410.2
32.5°	2068.8	1379.9	1054.9	729.4	607.1	484.4	453.4	422.0	407.3	392.5	383.5
35°	2047.4	1309.9	993.0	676.1	563.4	450.1	423.9	397.3	381.1	364.9	356.4
37.5°	2011.3	1239.5	945.0	650.0	534.8	419.2	400.2	380.7	364.0	346.9	338.8
40°	1978.4	1180.0	909.3	638.1	519.1	399.7	383.5	367.3	350.2	332.6	323.1
42.5°	1951.8	1140.0	874.1	608.1	504.8	401.1	378.3	355.0	338.3	321.6	311.2
45°	1931.8	1113.9	846.5	579.1	491.5	404.0	374.9	345.9	329.3	312.1	299.8
47.5°	1929.9	1100.1	827.0	553.8	466.3	378.3	366.4	354.5	330.2	305.5	291.2
50°	1956.1	1077.7	804.1	530.1	442.0	354.0	370.2	385.9	344.5	302.6	284.5
52.5°	2010.8	1038.2	768.0	497.7	412.5	326.9	352.1	376.8	341.2	305.0	281.7
55°	2076.9	980.2	713.2	445.8	373.5	300.7	323.1	345.0	322.6	299.8	271.7
57.5°	2118.3	906.9	644.3	381.6	329.7	277.9	290.7	303.1	294.1	285.0	256.5
60°	2093.6	809.4	566.7	323.6	291.2	258.8	256.5	253.6	266.9	280.3	247.4
62.5°	1972.7	708.5	498.2	287.9	263.6	238.9	233.6	227.9	249.8	271.2	236.5
65°	1768.6	638.1	454.9	271.7	244.6	217.4	211.7	206.0	212.7	219.3	203.2
67.5°	1509.3	594.8	430.1	265.5	232.7	199.4	192.7	186.0	184.6	183.2	177.5
70°	1241.9	568.1	414.0	259.8	219.8	179.4	173.2	167.0	165.1	162.7	158.4
72.5°	1038.2	564.8	412.1	259.3	209.4	159.4	153.7	148.0	145.6	142.7	139.4
75°	850.3	530.1	391.1	252.2	195.1	137.5	132.3	127.0	125.1	122.8	119.9
77.5°	630.9	438.7	328.8	218.9	167.0	115.1	109.9	104.2	103.7	102.8	100.4
80°	409.2	317.4	235.1	152.7	121.8	90.4	86.1	81.4	81.8	82.3	80.4
82.5°	227.4	185.1	143.7	102.3	83.3	64.2	62.3	60.0	61.4	62.3	60.0
85°	119.9	93.3	77.1	60.9	48.1	35.2	35.2	34.7	36.6	38.5	36.6
87.5°	51.9	32.8	28.1	22.8	12.8	2.4	2.9	2.9	3.8	4.8	4.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P387007  
 CATALOG NUMBER: GWC-SA2D-727-U-SLL

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P387007

CATALOG NUMBER: GWC-SA2D-727-U-SLL

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7
2.5°	3277.9	3243.1	3207.9	3169.4	3176.5	3147.0	3117.5	3099.0	3080.4	3074.7	3069.0
5°	2648.9	2609.4	2569.4	2533.7	2564.6	2543.7	2522.8	2519.9	2516.6	2516.6	2516.1
7.5°	1959.9	1917.5	1874.7	1845.2	1875.7	1871.8	1868.0	1888.5	1909.0	1925.6	1941.8
10°	1592.5	1541.2	1489.3	1445.5	1437.9	1416.0	1393.7	1398.4	1402.7	1420.8	1438.9
12.5°	1384.1	1322.8	1261.4	1210.0	1186.7	1150.5	1113.9	1091.0	1068.2	1070.6	1072.5
15°	1146.7	1087.2	1027.3	983.0	968.3	940.2	912.1	883.6	854.6	842.7	830.3
17.5°	876.9	829.3	781.3	751.8	751.8	743.7	735.6	721.3	706.6	694.7	682.3
20°	642.8	617.6	591.9	579.5	583.3	583.8	583.8	591.0	598.1	594.3	590.5
22.5°	532.0	522.9	513.9	508.6	510.5	511.0	511.5	518.2	524.3	529.1	533.4
25°	480.1	474.4	468.7	466.8	471.1	471.5	471.5	475.8	480.1	484.9	489.6
27.5°	439.7	437.3	434.9	431.6	435.8	435.8	435.4	440.1	444.4	448.7	452.5
30°	401.1	402.1	402.5	401.6	404.4	406.3	407.8	411.1	414.0	417.3	420.6
32.5°	374.0	372.6	371.1	370.2	376.4	379.7	383.0	386.4	389.2	390.6	392.1
35°	347.8	344.5	341.2	338.8	344.5	348.8	353.1	359.2	364.9	365.9	366.9
37.5°	330.2	325.9	321.6	318.8	321.2	323.1	325.0	331.6	338.3	342.1	345.4
40°	313.6	309.3	305.0	302.6	304.0	304.5	305.0	308.3	311.2	318.3	325.0
42.5°	300.2	295.0	289.8	286.9	287.9	288.8	289.3	288.8	288.3	295.0	301.7
45°	286.9	281.2	275.5	272.2	272.6	272.6	272.6	271.7	270.3	273.6	276.9
47.5°	276.4	269.8	263.1	259.8	258.8	257.9	256.9	256.5	255.5	257.9	259.8
50°	266.0	258.8	251.2	247.4	245.0	244.1	243.1	242.7	241.7	244.1	246.0
52.5°	257.9	249.3	240.8	234.6	232.2	230.8	229.3	229.8	229.8	230.8	231.2
55°	243.6	236.0	227.9	223.6	219.3	218.4	217.4	218.9	219.8	219.8	219.8
57.5°	227.9	220.8	213.2	210.3	206.5	206.5	206.0	207.9	209.4	210.3	211.3
60°	214.1	206.0	197.9	195.6	194.1	193.7	193.2	195.6	197.5	199.4	201.3
62.5°	201.3	192.7	184.1	181.3	180.8	181.3	181.3	183.7	185.6	187.5	189.4
65°	187.0	178.4	169.4	166.5	167.5	168.9	170.3	172.2	173.7	175.6	177.5
67.5°	171.3	164.2	156.5	153.7	154.2	156.1	158.0	159.4	160.3	162.3	164.2
70°	154.2	148.0	141.8	139.9	139.4	141.8	143.7	144.6	145.6	148.0	149.9
72.5°	135.6	130.4	125.1	123.7	124.2	125.6	127.0	128.5	129.4	131.8	133.7
75°	116.6	111.8	107.1	106.1	107.1	108.5	109.9	110.9	111.8	114.7	117.1
77.5°	98.0	92.8	87.1	86.6	88.0	89.5	90.4	91.8	93.3	97.1	100.9
80°	78.5	72.8	66.6	66.1	67.6	69.0	70.4	71.8	73.3	78.0	82.3
82.5°	57.6	50.9	44.3	43.3	48.1	49.5	50.9	53.3	55.2	59.5	63.8
85°	34.7	28.1	21.4	20.9	25.2	27.6	30.0	32.8	35.2	39.0	42.8
87.5°	3.8	1.9	0.0	0.0	0.5	2.4	4.3	6.7	9.0	12.8	16.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P387007

CATALOG NUMBER: GWC-SA2D-727-U-SLL

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P387007

CATALOG NUMBER: GWC-SA2D-727-U-SLL

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7
2.5°	3048.1	3026.6	3048.5	3069.9	3079.0	3088.0	3064.7	3040.9	3078.0	3114.7	3124.2
5°	2497.1	2477.6	2492.3	2506.6	2474.7	2442.8	2439.5	2435.7	2463.3	2490.9	2495.2
7.5°	1935.6	1929.4	1943.2	1957.0	1916.6	1875.7	1855.7	1835.7	1842.3	1849.0	1848.1
10°	1443.1	1446.9	1464.1	1480.7	1449.3	1417.9	1404.1	1390.3	1405.6	1420.3	1434.1
12.5°	1081.0	1089.1	1107.2	1124.8	1112.0	1098.7	1100.1	1101.5	1119.1	1136.2	1151.5
15°	839.8	849.3	862.2	874.5	875.0	875.0	887.4	899.3	897.9	896.4	906.9
17.5°	695.2	707.5	709.0	710.4	710.9	711.3	710.4	709.4	702.3	695.2	703.3
20°	595.2	599.5	603.3	606.7	602.4	597.6	585.7	573.8	569.1	564.3	571.9
22.5°	541.5	549.1	545.3	541.0	532.4	523.4	514.4	504.8	504.4	503.4	507.7
25°	496.3	502.5	495.8	489.1	483.0	476.8	470.6	464.4	463.9	463.4	465.3
27.5°	458.7	464.4	458.2	452.0	446.8	441.6	436.8	432.0	431.1	430.1	430.6
30°	426.3	431.6	426.3	420.6	416.8	412.5	409.2	405.9	405.4	404.9	404.9
32.5°	397.3	402.5	398.7	394.9	391.6	388.3	385.9	383.5	381.1	378.7	373.5
35°	372.1	377.3	374.9	372.1	368.3	364.5	360.2	355.4	349.2	342.6	339.7
37.5°	350.7	355.9	353.5	351.2	345.9	340.7	333.1	325.0	323.1	320.7	320.2
40°	333.5	341.6	336.9	331.6	323.6	315.5	311.7	307.9	306.9	305.9	305.0
42.5°	314.5	326.9	318.3	309.8	302.1	294.5	293.6	292.6	292.1	291.7	291.7
45°	290.7	304.0	295.5	286.4	282.2	277.9	277.9	277.9	278.4	278.4	279.3
47.5°	268.4	276.4	272.2	267.9	265.5	263.1	263.6	264.1	265.5	266.5	268.8
50°	249.3	252.2	253.1	253.6	252.2	250.8	251.7	252.2	253.6	254.6	256.5
52.5°	235.5	239.8	239.8	239.3	239.3	239.3	240.3	241.2	242.7	244.1	246.0
55°	226.5	232.7	230.8	228.9	229.3	229.3	230.3	231.2	232.7	233.6	236.5
57.5°	217.9	224.6	222.7	220.8	220.8	220.8	221.3	221.7	223.2	224.1	226.0
60°	207.9	214.6	212.7	210.3	210.8	211.3	211.7	211.7	212.7	213.2	213.2
62.5°	196.0	202.7	200.8	198.4	199.8	200.8	200.8	200.8	201.7	202.2	200.8
65°	183.7	189.8	187.9	186.0	187.9	189.4	190.3	190.8	190.3	189.8	188.4
67.5°	170.3	176.5	174.6	172.2	174.6	176.5	178.4	179.9	178.4	177.0	175.1
70°	156.1	162.3	159.9	157.5	159.9	162.3	164.2	166.1	164.2	162.3	161.8
72.5°	140.8	148.0	145.1	142.3	145.1	148.0	148.9	149.9	148.5	147.0	146.1
75°	124.2	131.3	128.9	126.1	128.5	130.8	131.3	131.8	131.8	131.3	128.5
77.5°	106.6	112.3	110.9	109.4	110.9	112.3	112.3	112.3	112.8	112.8	109.0
80°	85.6	89.0	89.5	89.9	90.4	90.9	90.4	89.9	89.0	88.0	85.6
82.5°	63.8	63.8	67.6	70.9	70.9	70.4	69.9	69.0	67.1	64.7	59.5
85°	40.4	38.1	44.3	50.0	50.0	49.5	48.5	47.1	43.3	39.0	34.7
87.5°	13.8	11.4	17.6	23.8	24.3	24.3	23.3	22.4	18.6	14.3	10.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P387007  
 CATALOG NUMBER: GWC-SA2D-727-U-SLL

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P387007

CATALOG NUMBER: GWC-SA2D-727-U-SLL

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7
2.5°	3138.5	3144.6	3150.4	3197.0	3243.1	3297.4	3351.6	3393.0	3433.9	3476.3	3518.6
5°	2509.9	2517.5	2525.1	2581.8	2637.9	2713.6	2789.2	2854.4	2919.6	2996.2	3072.8
7.5°	1860.4	1877.1	1893.3	1953.7	2013.6	2095.0	2175.9	2261.1	2345.8	2445.7	2545.6
10°	1461.2	1492.6	1523.6	1585.4	1647.3	1727.7	1807.6	1896.6	1985.6	2084.1	2182.1
12.5°	1182.9	1224.7	1266.1	1340.4	1414.6	1510.7	1606.3	1705.3	1803.8	1890.4	1977.0
15°	934.5	980.2	1025.4	1103.9	1182.4	1288.0	1393.2	1501.2	1608.7	1712.5	1816.2
17.5°	728.9	766.5	803.6	870.3	936.4	1038.7	1141.0	1254.2	1367.5	1494.1	1620.1
20°	588.1	603.8	619.5	667.6	715.1	798.4	881.2	996.8	1112.5	1263.8	1415.1
22.5°	515.3	523.4	531.0	554.3	577.2	630.9	684.2	786.5	888.3	1053.5	1218.1
25°	471.5	477.7	483.9	499.1	514.4	540.0	565.7	637.6	709.4	871.7	1033.5
27.5°	432.0	441.6	450.6	457.7	464.4	482.0	499.1	546.2	593.3	744.6	895.5
30°	403.5	406.8	410.2	421.1	431.6	449.6	467.7	500.6	533.4	661.4	788.9
32.5°	370.2	374.9	379.7	391.1	402.5	419.2	435.8	462.5	488.7	598.1	707.1
35°	340.2	345.0	349.7	361.1	372.1	390.2	407.8	430.1	452.0	547.2	642.3
37.5°	321.6	326.4	331.2	341.2	350.7	368.8	386.4	404.0	421.1	509.1	597.1
40°	305.9	310.7	315.5	325.0	334.0	351.6	368.8	383.5	398.3	480.6	562.9
42.5°	292.1	297.4	302.6	312.1	321.2	336.9	352.6	372.1	391.1	455.8	520.1
45°	280.7	286.0	290.7	301.2	311.7	326.9	342.1	369.2	396.4	443.0	489.6
47.5°	270.3	276.0	281.2	292.6	304.0	323.1	341.6	364.5	386.8	433.0	479.1
50°	260.3	266.9	273.6	287.4	300.7	332.6	364.0	367.3	370.2	424.9	479.1
52.5°	250.8	258.4	266.0	283.1	299.8	336.9	374.0	362.1	349.7	409.7	469.6
55°	241.2	247.9	254.1	275.0	296.0	323.1	350.2	334.5	318.3	381.1	443.9
57.5°	228.4	235.5	242.2	264.6	286.9	305.9	324.5	310.2	295.5	348.8	401.6
60°	215.1	223.2	231.2	259.8	287.9	284.5	280.7	277.9	274.5	312.6	350.7
62.5°	203.2	211.7	220.3	257.4	294.5	271.7	248.9	251.2	253.1	281.2	309.3
65°	191.3	199.8	207.9	226.5	245.0	236.0	227.0	230.8	234.1	261.7	289.3
67.5°	178.0	185.6	192.7	198.9	205.1	206.0	207.0	210.8	214.6	247.4	279.8
70°	163.2	169.4	175.6	179.9	183.7	185.6	187.0	191.8	196.5	232.2	267.9
72.5°	146.6	151.8	156.5	160.3	164.2	165.6	166.5	171.3	176.1	214.1	252.2
75°	128.5	132.8	136.6	139.9	143.2	145.1	147.0	150.4	153.7	195.1	236.0
77.5°	108.5	112.8	116.6	119.4	121.8	123.7	125.1	129.4	133.7	168.4	202.7
80°	84.7	89.9	94.7	97.1	99.0	99.4	99.4	103.3	107.1	131.8	156.1
82.5°	60.0	65.7	70.9	72.8	74.7	74.7	74.7	79.0	83.3	99.9	116.1
85°	35.2	41.4	47.1	49.0	50.9	51.9	52.3	54.2	55.7	67.6	79.0
87.5°	10.9	16.2	20.9	21.9	22.8	24.7	26.6	27.1	27.1	35.2	43.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P387007

CATALOG NUMBER: GWC-SA2D-727-U-SLL

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P387007

CATALOG NUMBER: GWC-SA2D-727-U-SLL

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7
2.5°	3567.2	3615.7	3672.3	3728.5	3776.5	3824.6	3864.6
5°	3170.3	3267.9	3387.3	3506.3	3612.4	3718.5	3841.7
7.5°	2671.7	2797.8	2952.4	3107.1	3256.9	3406.3	3595.7
10°	2310.5	2438.5	2602.2	2765.4	2933.9	3101.8	3315.9
12.5°	2081.2	2184.9	2343.4	2501.8	2699.8	2897.2	3103.3
15°	1929.9	2043.1	2197.3	2351.5	2568.0	2784.5	3021.4
17.5°	1768.6	1916.6	2114.0	2311.5	2568.0	2824.0	3103.3
20°	1599.7	1783.8	2039.8	2295.8	2641.2	2986.2	3342.6
22.5°	1431.2	1644.4	1972.7	2300.6	2752.1	3203.2	3684.2
25°	1279.5	1525.5	1931.8	2337.7	2913.4	3488.7	4085.3
27.5°	1164.3	1432.7	1915.1	2397.1	3118.0	3838.9	4521.7
30°	1062.0	1335.1	1895.2	2455.2	3315.0	4174.3	4862.8
32.5°	973.5	1240.0	1856.6	2472.8	3452.5	4432.2	5151.6
35°	904.0	1165.7	1791.9	2418.1	3538.6	4659.2	5452.3
37.5°	844.1	1091.0	1718.2	2345.3	3615.2	4885.2	5790.6
40°	787.0	1011.1	1654.9	2298.2	3720.9	5143.5	6148.0
42.5°	732.8	945.4	1604.0	2262.5	3818.9	5374.8	6460.6
45°	692.3	895.0	1558.8	2222.0	3882.2	5542.3	6696.1
47.5°	672.3	865.0	1534.5	2203.5	3945.4	5686.9	6891.7
50°	669.5	859.8	1562.1	2264.4	4082.5	5900.1	7115.3
52.5°	669.0	868.4	1641.6	2414.8	4337.0	6258.8	7357.5
55°	659.0	873.6	1736.2	2598.4	4678.7	6758.4	7792.9
57.5°	628.5	855.5	1833.8	2811.6	5039.8	7267.6	8283.4
60°	581.4	811.7	1914.2	3016.2	5282.5	7548.3	8472.3
62.5°	522.4	735.1	1940.8	3146.1	5275.8	7405.6	8282.0
65°	472.0	654.7	1853.3	3051.4	5008.9	6965.9	7905.6
67.5°	427.3	574.3	1634.4	2694.1	4528.8	6363.0	7427.0
70°	394.9	521.5	1352.3	2183.0	3927.8	5672.2	6872.6
72.5°	374.5	496.3	1102.5	1708.2	3187.5	4666.3	5878.7
75°	346.4	456.8	865.0	1272.8	2439.5	3606.2	4440.3
77.5°	294.1	384.9	651.9	918.8	1790.0	2660.7	3088.0
80°	227.0	297.4	448.2	599.0	1231.9	1864.7	2105.5
82.5°	161.8	207.5	271.7	335.9	818.4	1300.4	1320.4
85°	99.9	120.9	155.6	190.3	541.5	892.6	743.7
87.5°	53.8	64.2	82.3	99.9	173.2	246.5	141.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P387007  
 CATALOG NUMBER: GWC-SA2D-727-U-SLL

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245982

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



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1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



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1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report







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Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



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110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report





110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report





110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report







110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report





110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report





110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report





110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
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Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)